

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/013097

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B22F3/105		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 B22F B23K		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ, COMPENDEX		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 391 251 B1 (KEICHER DAVID M ET AL) 21 May 2002 (2002-05-21)	1-3,6, 9-14, 16-19, 21,24-30
Y	column 5, line 56 - column 6, line 26 column 6, line 66 - column 7, last line column 13, line 13 - column 14, line 3 column 15, line 46 - line 59 column 16, line 32 - line 49 column 18, line 22 - column 19, line 3 column 25, line 52 - line 62 column 28, line 26 - column 29, line 41 figures 3,4,6-11,27-33,42-45 <div style="text-align: center; margin-top: 10px;">-/--</div>	4,5,22
<div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex. </div>		
* Special categories of cited documents :		
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="width: 45%;"> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>"&" document member of the same patent family</p> </div> </div>		
Date of the actual completion of the international search	Date of mailing of the international search report	
29 August 2005	05/09/2005	
Name and mailing address of the ISA	Authorized officer	
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3018	Ceulemans, J	

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/56736 A (OPTOMECH DESIGN COMPANY; KEICHER, DAVID, M; BULLEN, JAMES, L) 9 August 2001 (2001-08-09)	1-3, 6-13, 17-21, 23-30
Y	abstract page 2, line 28 - page 3, line 11 page 3, line 27 - page 4, line 12 page 5, line 7 - page 8, line 20 page 9, line 5 - page 11, line 7 page 12, line 11 - line 14 figure 1	4,5,22
Y	----- "EOS brings very fine laser build powders to the UK" METAL POWDER REPORT, MPR PUBLISHING SERVICES, SHREWSBURY, GB, vol. 58, no. 9, September 2003 (2003-09), page 13, XP004454476 ISSN: 0026-0657 the whole document	4,5
Y	----- DE 200 20 614 U1 (LZH LASERZENTRUM HANNOVER E.V) 8 March 2001 (2001-03-08) cited in the application claims; figures	22
X	----- US 2001/008230 A1 (KEICHER DAVID M ET AL) 19 July 2001 (2001-07-19) abstract paragraph '0017! paragraph '0036! - paragraph '0045! paragraph '0051! paragraph '0080! - paragraph '0106! figures	1-3,6, 8-13, 17-19, 21,24, 25,30
X	----- WO 93/00171 A (GEBRUEDER SULZER AKTIENGESELLSCHAFT) 7 January 1993 (1993-01-07) page 3, line 15 - page 5, line 20 claims; figures	14-16,19
P,X	----- WO 2004/091834 A (PETAEJAEJAERVI, AILA; JOKELAINEN, KIMMO) 28 October 2004 (2004-10-28) page 4, line 16 - page 6, line 22 page 7, line 21 - page 8, line 21 figures	17-19, 24,25, 29,30
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
T	<p>SIMCHI A: "THE ROLE OF PARTICLE SIZE ON THE LASER SINTERING OF IRON POWDER"</p> <p>METALLURGICAL AND MATERIALS TRANSACTIONS</p> <p>B: PROCESS METALLURGY & MATERIALS</p> <p>PROCESSING SCIENCE, THE MATERIALS</p> <p>INFORMATION SOCIETY, US,</p> <p>vol. 358, no. 5, October 2004 (2004-10),</p> <p>pages 937-948, XP001214017</p> <p>ISSN: 1073-5623</p> <p>abstract</p> <p>page 938, left-hand column, paragraph 2</p> <p>page 944, right-hand column, paragraph C -</p> <p>page 946</p> <p>page 947, paragraph V</p> <p>figures 14-18; table 1</p> <p>-----</p>	1-13

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Information on patent family members

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